

ATTORNEY'S DOCKET NO.  
TI-33539

**APPLICATION FOR UNITED STATES PATENT**  
**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verify believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, section 1.56;

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

TITLE OF INVENTION: Enhanced Universal Serial Bus (USB) Bus Monitor Controller		
POWER OF ATTORNEY:	I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH.	
Practitioners at Customer Number: 23494		
SEND CORRESPONDENCE TO:  Dwight Holmbo Texas Instruments Incorporated PO Box 655474, M/S 3999 Dallas, TX 75265		DIRECT TELEPHONE CALLS TO:  Dwight Holmbo (972) 917-5290
NAME OF INVENTOR: (1)  Brian Tse Deng	NAME OF INVENTOR: (2)  Fengchun Duan	NAME OF INVENTOR: (3)  Feng Jen Wu
RESIDENCE (City and State Only)  Richardson, TX	RESIDENCE (City and State Only)  Coppell, TX	RESIDENCE (City and State Only)  McKinney, TX
Post Office Address:  1117 Windsong Trail Richardson, TX 75081	Post Office Address:  437 Forest Ridge Dr. Coppell TX 75019	Post Office Address:  2616 St. Michelle Ln. McKinney TX 75070
Country of Citizenship: US	Country of Citizenship: Canada	Country of Citizenship: US
Signature of Inventor:  <i>Brian Tse Deng</i>	Signature of Inventor:  <i>Fengchun Duan</i>	Signature of Inventor:  <i>Feng Jen Wu</i>
Date:  2-27-2002	Date:  2-27/2002	Date:  2-27/2002

## FORM PTO-1595

RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

**Brian Tse Deng**  
**Fengchun Duan**  
**Feng Jen Wu**

Additional name(s) & address(es)  
 attached?  Yes  No

## 2. Name and Address of receiving party(ies):

Name: **Texas Instruments Incorporated**

Address: **P.O. Box 655474, M/S 3999**

City: **Dallas**

State: **Texas** Zip: **75265**

Additional name(s) & address(es)  
 attached?  Yes  No

## 3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date February 27, 2002

## 4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is February 27, 2002.

## A. Patent Application No.(s)

**N/A**

## B. Patent No.(s)

**N/A**Additional numbers attached?  Yes  NoAdditional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

6. Number of applications and patents involved: 1

Name: **Dwight Holmbo**

Address: **Texas Instruments Incorporated**  
**P.O. Box 655474, M/S 3999**

City: **Dallas**

State: **Texas** Zip: **75265**

7. Amount of fee enclosed or authorized to be charged: **\$ 40.00**8. Deposit account number: **20-0668**

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Signature

**Ira S. Matsil**

Name of Person Signing

**2/28/02**

Date

Total number of pages including cover sheet, attachments and document: 2

**ASSIGNMENT**

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, M.S. 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	Enhanced Universal Serial Bus (USB) Bus Monitor Controller		
SIGNATURE OF INVENTOR AND NAME	Brian Tee Deng (1) Brian Tee Deng	Fengchun Duan (2) Fengchun Duan	Feng Jen Wu (3) Feng Jen Wu
DATE	2-27-02	2-27-02	2-27-02
RESIDENCE (CITY AND STATE)	Richardson TX	Coppell TX	McKinney TX
DATE APPLICATION EXECUTED	2-27-02	2-27-02	2-27-02

After recording, return Assignment to:

Dwight Holmbo  
Texas Instruments Incorporated  
P.O. Box 655474, M/S 3999  
Dallas, TX 75265